

PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 1138.P040PCTj	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/SG2004/000255	International filing date (<i>day/month/year</i>) 23 August 2004	Priority date (<i>day/month/year</i>) 23 October 2003
International Patent Classification (IPC) or national classification and IPC Int. Cl. ⁷ G06F 13/30, H04M 1/66		
Applicant NANYANG POLYTECHNIC et al		

<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 3 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of 4 sheets, as follows:</p> <div style="margin-left: 40px;"> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> </div> <p style="margin-left: 20px;">b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or table related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>																									
<p>4. This report contains indications relating to the following items:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/></td> <td style="width: 15%;">Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application	
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Date of submission of the demand 23 August 2005	Date of completion of the report 29 September 2005
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer Mani Ramachandran Telephone No. (02) 6283 2233

Box No. I	Basis of the report
1.	<p>With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:</p> <ul style="list-style-type: none"><input type="checkbox"/> international search (under Rules 12.3 and 23.1 (b))<input type="checkbox"/> publication of the international application (under Rule 12.4)<input type="checkbox"/> international preliminary examination (under Rules 55.2 and/or 55.3)
2.	<p>With regard to the elements of the international application, this report is based on (<i>replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report</i>):</p> <p><input type="checkbox"/> the international application as originally filed/furnished</p> <p><input checked="" type="checkbox"/> the description:</p> <ul style="list-style-type: none">pages 1-15 as originally filed/furnishedpages* received by this Authority on with the letter ofpages* received by this Authority on with the letter of <p><input checked="" type="checkbox"/> the claims:</p> <ul style="list-style-type: none">pages as originally filed/furnishedpages* as amended (together with any statement) under Article 19pages* 16-19 received by this Authority on 23 August 2005 with the letter of 26 August 2005pages* received by this Authority on with the letter of <p><input checked="" type="checkbox"/> the drawings:</p> <ul style="list-style-type: none">pages 1-4 as originally filed/furnishedpages* received by this Authority on with the letter ofpages* received by this Authority on with the letter of <p><input type="checkbox"/> a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.</p>
3.	<p><input type="checkbox"/> The amendments have resulted in the cancellation of:</p> <ul style="list-style-type: none"><input type="checkbox"/> the description, pages<input type="checkbox"/> the claims, Nos.<input type="checkbox"/> the drawings, sheets/figs.<input type="checkbox"/> the sequence listing (<i>specify</i>):<input type="checkbox"/> any table(s) related to the sequence listing (<i>specify</i>):
4.	<p><input type="checkbox"/> This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).</p> <ul style="list-style-type: none"><input type="checkbox"/> the description, pages<input type="checkbox"/> the claims, Nos.<input type="checkbox"/> the drawings, sheets/figs<input type="checkbox"/> the sequence listing (<i>specify</i>):<input type="checkbox"/> any table(s) related to the sequence listing (<i>specify</i>):

* If item 4 applies, some or all of those sheets may be marked "superseded."

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims 1-12	YES
	Claims	NO
Inventive step (IS)	Claims 1-12	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-12	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)**NOVELTY & INVENTIVE STEP Claims 1-12:**

The invention defined in the claims is novel and inventive. None of the citations disclose the claimed invention in its entirety, nor is the invention arrived at by reading the claims in the light of common general knowledge, or by an obvious combination of the disclosures of the various citations.

The invention is industrially applicable.